

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 3-31-06

DSR Number: DSR019-05-079R Project Number: _____

NRCS Entry Only

Eligible: YES X NO _____

Approved: YES X NO _____

Funding Priority Number (from Section 4) 3de

Limited Resource Area: YES _____ NO X

Section 1B Sponsor

Sponsor Name: Gravity Drainage District No8 Ward One

Address: 2841 Goos Road

City/State/Zip: Lake Charles, La 70611

Telephone Number: 337-05-4388 Fax: _____

Section 1C Site Location Information

County: Calcasieu State: La Congressional District: 7

Latitude: 30.30524 Longitude: -93.19185 Section: 4 Township: 9S Range: 8W
30.30573 -93.18996

UTM Coordinates: _____

Drainage Name: Lateral 5 Basswood Rd to Old Hwy 171 Reach: 640 LF

Damage Description: Channel debris

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	X		
Recovery measures would be for runoff retardation or soil erosion prevention?*	X		
Threat to life and/or property?*	X		
Event caused a sudden impairment in the watershed?*	X		
Imminent threat was created by this event?*	X		
For structural repairs, not repaired twice within ten years?*	X		
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action? (Go to pages 3, 4, 5 and 6 ***)	X		
Proposed action technically viable? (Go to Page 9 ***)	X		

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES X NO _____

Comments: GDD has been consulted

* Statutory

** Regulation

*** DSR Pages 3 through 6 and 9 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages. 1 of 14

Approved 7/2005

DSR NO: 019-05-079R

Section 1E Proposed Action

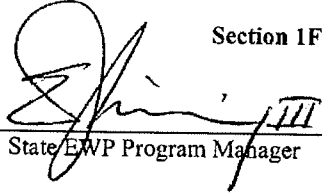
Describe the preferred alternative from Findings: Section 5 A:

Remove storm deposited debris (trees, etc.) from the channel utilizing conventional equipment from the south side top bank and dispose of the debris by hauling to disposal site, chipping, or burning debris.

Total installation cost identified in this DSR: Section 3: \$

Section 1F NRCS State Office Review and Approval

Reviewed By: _____


State EWP Program Manager

Date Reviewed: 4/5/06

Approved By: _____

State Conservationist

Date Approved: _____

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95-334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.)

Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotope, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write USDA, Director of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (800)795-3272 (voice) or (202)720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternatives and Effects		
		Proposed Action	No Action	Alternative
		Remove debris from channel using conv equip and accessing one side	Leave all debris in channel	Remove debris from channel using conv equip and accessing two sides
		2D Effects of Alternatives		
Soil				
Bank erosion	10 tons per acre	5 tons per acre	10 tons per acre	5 tons per acre
Compaction	n/a	Slight increase due to equipment	n/a	Moderate increase due to equipment
Water				
Dissolved oxygen	Low DO due to debris decay	Improve DO due to debris removal	Low DO due to debris decay	Improved DO due to debris decay
Flooding	Property and homes subject to flooding from blockage	Flooding reduced due to debris removal	Property and homes subject to flooding from Blockage	Flooding reduced due to debris removal
Sediment /Turbidity	Minimal increase/ sediment from root balls	Sediment removed in root balls/reduce scouring	Increase due to bank scouring /root balls	Sediment removed in root balls/reduce bank scouring
Stream Health	3.5-poor	4.2-poor	3.5-poor	4.2 poor
Air				
Particulate	n/a	Temporary increase due to equipment	n/a	Temporary increase due to equipment
Plant				
Plant Health	Moderate decrease due increase in debris	Removal of debris will reduce plant suppression and increase diversity	Plants suppressed until debris decays	Removal of debris will reduce plant suppression and increase diversity
Riparian Area	Moderate damage by loss of large trees	Removal of debris allows for re-vegetation	Moderate damage by loss of large trees	Removal of debris allows for re-vegetation
Animal				
Aquatic Life	Quality reduced in standing Pools due to debris in channel	Removal of debris will increase natural conditions	Stagnant pools may cause increase in undesirable aquatic species	Removable of debris will increase natural conditions
Small Animals	Loss of cavity trees as cover and source of food	Removal of debris will increase under story growth providing food and cover	Slow regeneration	Removal of debris will increase under story growth providing food and cover
Other				
Human	Entanglement of large trees, tops, and root balls	Safety factor to children due to adjoining home sites/increased health hazard due to insects	Continued safety issue	Safety factor to children due to adjoining home sites/increased health hazard due to insects
Aesthetics	Entanglement of unsightly clutter of tops, logs and root balls	Significant increase due to removal of trees and debris	Increased degradation of aesthetics by decaying debris	Significant increase due to removal of trees and debris

Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA jurisdiction ,poor water quality	CWA permit needed, improve water quality/restore hydrol	Poor water quality	CWA permit need, improve water quality/restore hydrol
Coastal Zone Management Areas	N/A	N/A	N/A	N/A
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	FOTG, None observed	FOTG, None observed	FOTG None observed	FOTG None observed
Endangered and Threatened Species	FOTG Federal/State List None observed	FOTG Federal/State List None observed	FOTG Federal/State List None observed	FOTG Federal/State List None observed
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	FOTG-No EFH	FOTG-No EFH	FOTG-No EFH	FOTG-No EFH
Fish and Wildlife Coordination	State level review by project type with USFW/LDWF Consultation not required for debris removal	State level review by project type with USFW/LDWF Consultation not required for debris removal	State level review by project type with USFW/LDWF Consultation not required for debris removal	State level review by project type with USFW/LDWF Consultation not required for debris removal
Floodplain Management	100 year flood plain function is impaired	100 year flood plain function is restored	100 year flood plain function is impaired	100 year flood plain function is restored
Invasive Species	Chinese Tallow	Creation of openings may spread but will provide for access to control	Chinese Tallow	Creation of openings may spread but will provide for access to control
Migratory Birds	Food and Cover quality reduced	Food and Cover Quality Improved	Food and Cover quality reduced	Food and Cover Quality Improved
Natural Areas	N/A	N/A	N/A	N/A
Prime and Unique Farmlands	N/A Designated Urban Use	N/A Designated Urban Use	N/A Designated Urban Use	N/A Designated Urban Use
Riparian Areas	Area impacted by flooding due to debris	Area improved by debris removal	Area impacted by flooding due to debris	Area improved by debris removal
Scenic Beauty	Impaired by debris	Restored by debris removal	Impaired by debris	Restored by debris removal
Wetlands	Natural functions impaired by debris	Natural functions restored by debris removal	Natural functions impaired by debris	Natural functions restored by debris removal
Wild and Scenic Rivers	N/A	N/A	N/A	N/A

Completed By: H McDanielDate: 4-1-06

DSR NO: _DSR019-05-079R

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)			
Homes 4	\$335,096	20	\$67,019
Garages/outbuildings 2	\$21,360	20	\$4,272
Properties Protected (Public)			
Culverts: Basswood 36'' x30'	\$1,500	25	\$375
Business Losses			
Other			
Total Near Term Damage			\$71,666
Positive effect of Project			\$

Completed By: __H McDaniel_____ Date: 3-30-06

DSR NO: DSR019-05-079R

Section 2G Social Consideration

This section must be completed by each alternative considered (attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?		X	
Is there the potential for loss of life due to damages from the watershed impairment?		X	
Has access to a hospital or medical facility been impaired by watershed impairment?	X		Emergency response time could be adversely effected
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	X		
Is there a lack or has there been a reduction of public safety due to watershed impairment?	X		Emergency response could be effected if flooding occurs, Standing water from clogged ditches creates insect hazard and potential for disease

Completed By: _H McDaniel Date: _3-25-06

Section 2H Group Representation and Disability Information**This section is completed only for the preferred alternative selected.**

Group Representation	Number		
American Indian/Alaska Native Female Hispanic			
American Indian/Alaska Native Female Non-Hispanic			
American Indian/Alaska Native Male Hispanic			
American Indian/Alaska Native Male Non-Hispanic			
Asian Female Hispanic			
Asian Female Non-Hispanic			
Asian Male Hispanic			
Asian Male Non-Hispanic			
Black or African American Female Hispanic			
Black or African American Female Non-Hispanic			
Black or African American Male Hispanic			
Black or African American Male Non-Hispanic			
Hawaiian Native/Pacific Islander Female Hispanic			
Hawaiian Native/Pacific Islander Female Non-Hispanic			
Hawaiian Native/Pacific Islander Male Hispanic			
Hawaiian Native/Pacific Islander Male Non-Hispanic			
White Female Hispanic			
White Female Non-Hispanic	52	10%	5
White Male Hispanic			
White Male Non-Hispanic	55	10%	6
Total Group	107	10%	11

THER ARE A TOTAL OF 40 HOUSEHOLDS WITH A POPULATION OF 107 PEOPLE IN BLOCKS 1010 AND 1011 = 107 DIVIDED BY 40 =2.7 PEOPLE PER HOUSEHOLD. THERE ARE A TOTAL OF 4 HOUSEHOLDS IN THE EFFECTED AREA WHICH EQUALS 10% OF THE TOTAL IN THE AREA

Census tract(s) 22.04 Blocks 1010, 1011_____

Completed By: H McDaniel_____

Date: _3-31-06_____

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Sponsor will secure all easements and permission to access word areas along drainage system on private lands
U S Army Corps of Engineers 404 permits will be required where applicable
CWA and water quality certification will be required for the grubbing of stumps

Mitigation Description:

Work will be performed from one side of the channel only as described in the engineers report.
Debris will be disposed of in an approved land fill site
Removal of chipping debris from drainage system will improve water quality

Agencies, persons, and references consulted, or to be consulted:

U S Army Corp of Engineers
Louisiana Department of Environmental Quality

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application
(see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?		X		
2. Is this a site where there is serious, but not immediate threat to human life?		X		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	X			3-d,e
4. Is this site a funding priority established by the NRCS Chief?		X		
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?			Y	
a. Will the proposed action or alternatives maintain or improve current water quality conditions?			Y	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

The proposed action is the preferred alternative. The proposed action is the least costly alternative that achieves the restoration objectives, maximizes environmental benefits, and is socially acceptable.

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

 X Has been sufficiently analyzed in the EWP PEIS (reference all that apply)

Chapter 5.2.2.1.2 _____

Chapter _____

Chapter _____

Chapter _____

Chapter _____

 May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: _____ Date: _____

Section 5B Comments:

Section 5C

Sponsor Concurrence: _____

Sponsor Representative

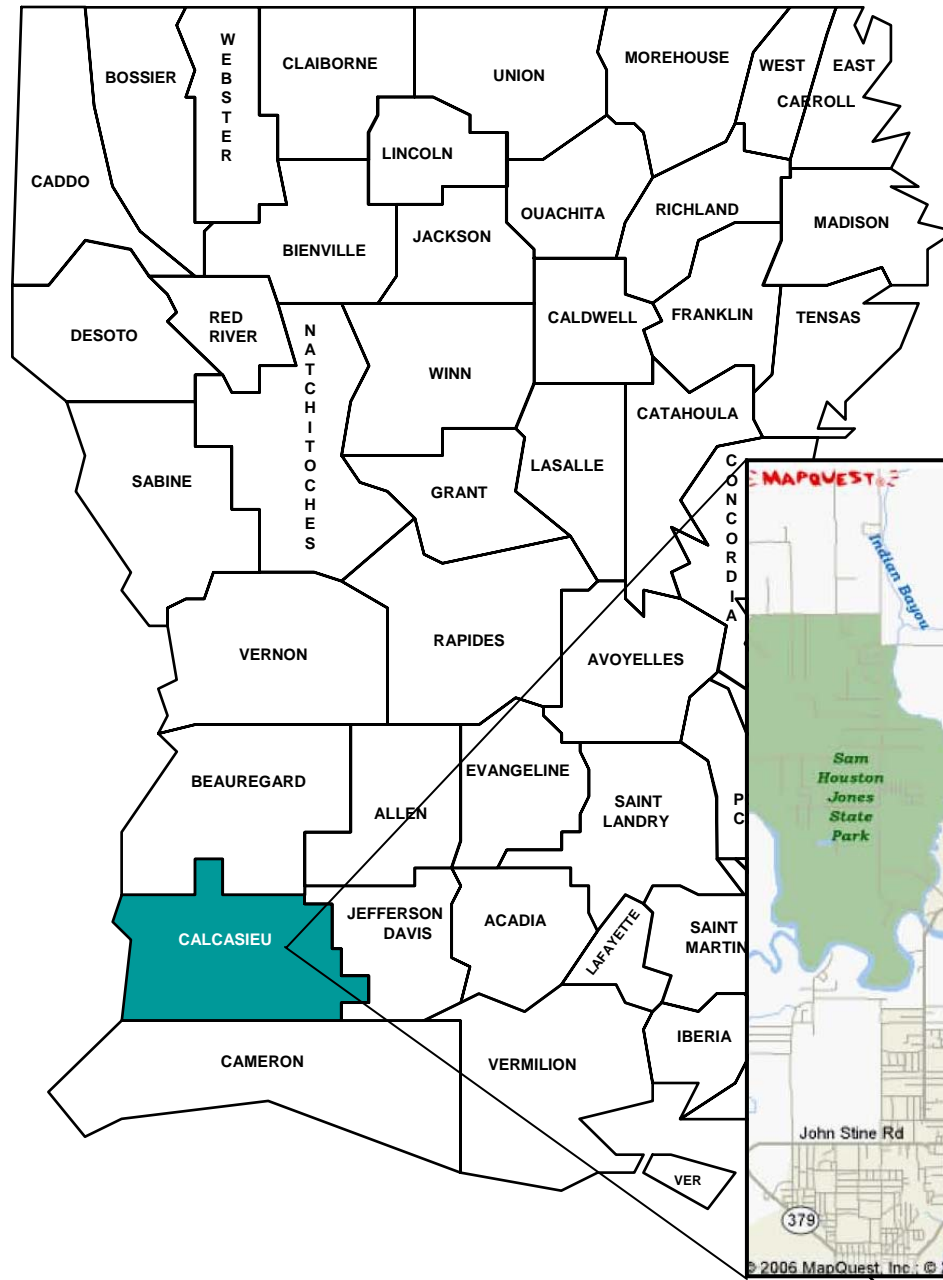
Title: _____ Date: _____

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

SECTION 6

ATTACHMENTS

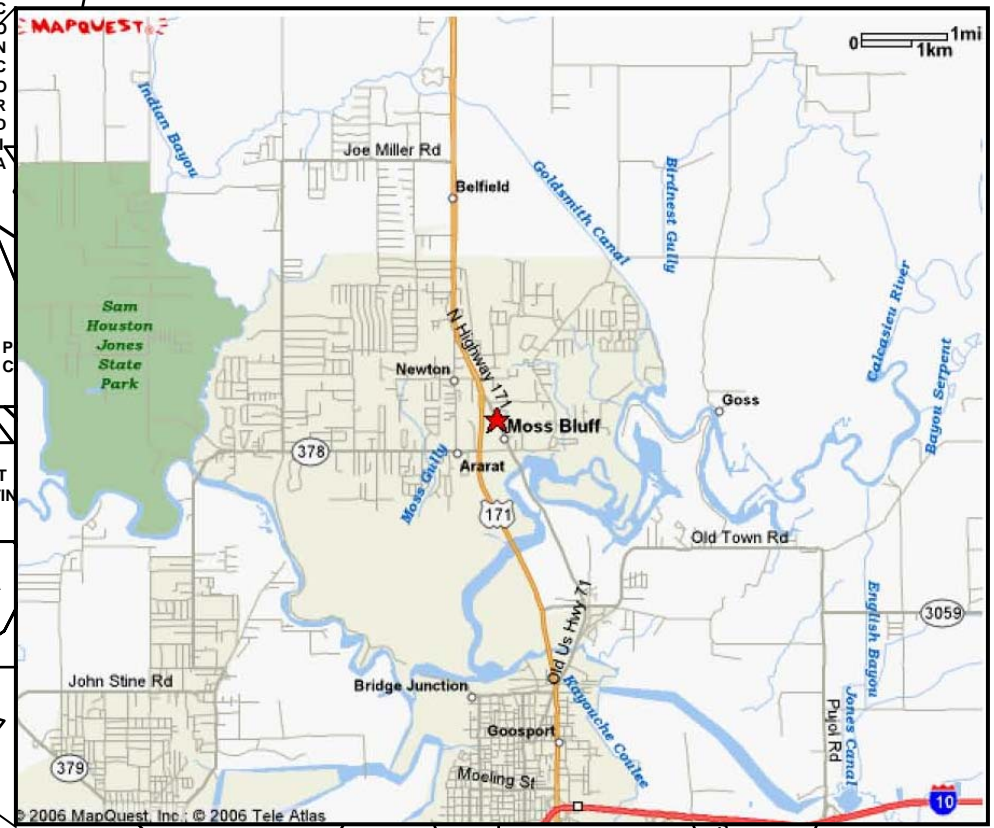


Vicinity Location Map

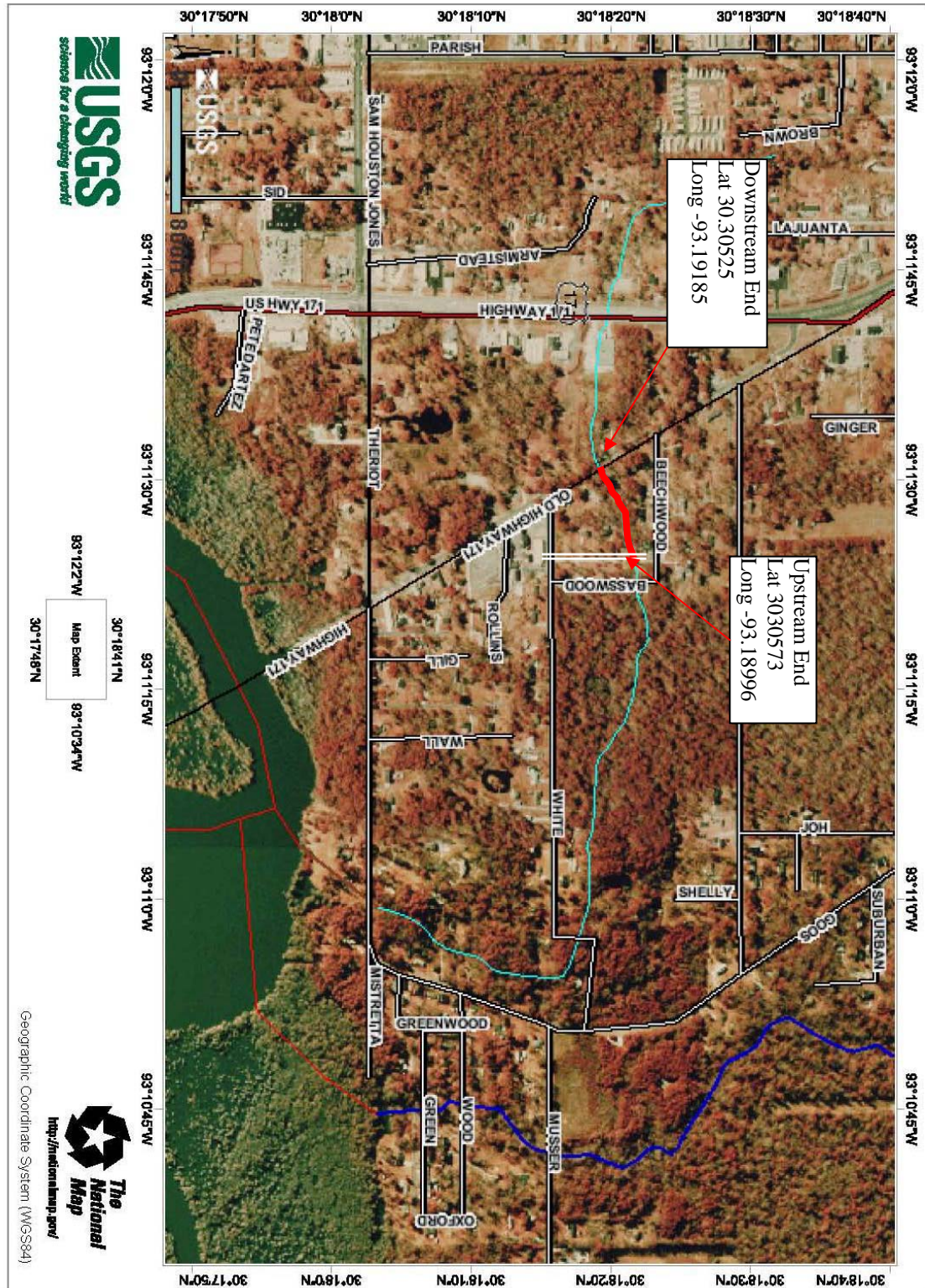
Calcasieu Parish

DSR# 019-05-079R

Lateral 5 – Old Hwy 171 to
Basswood



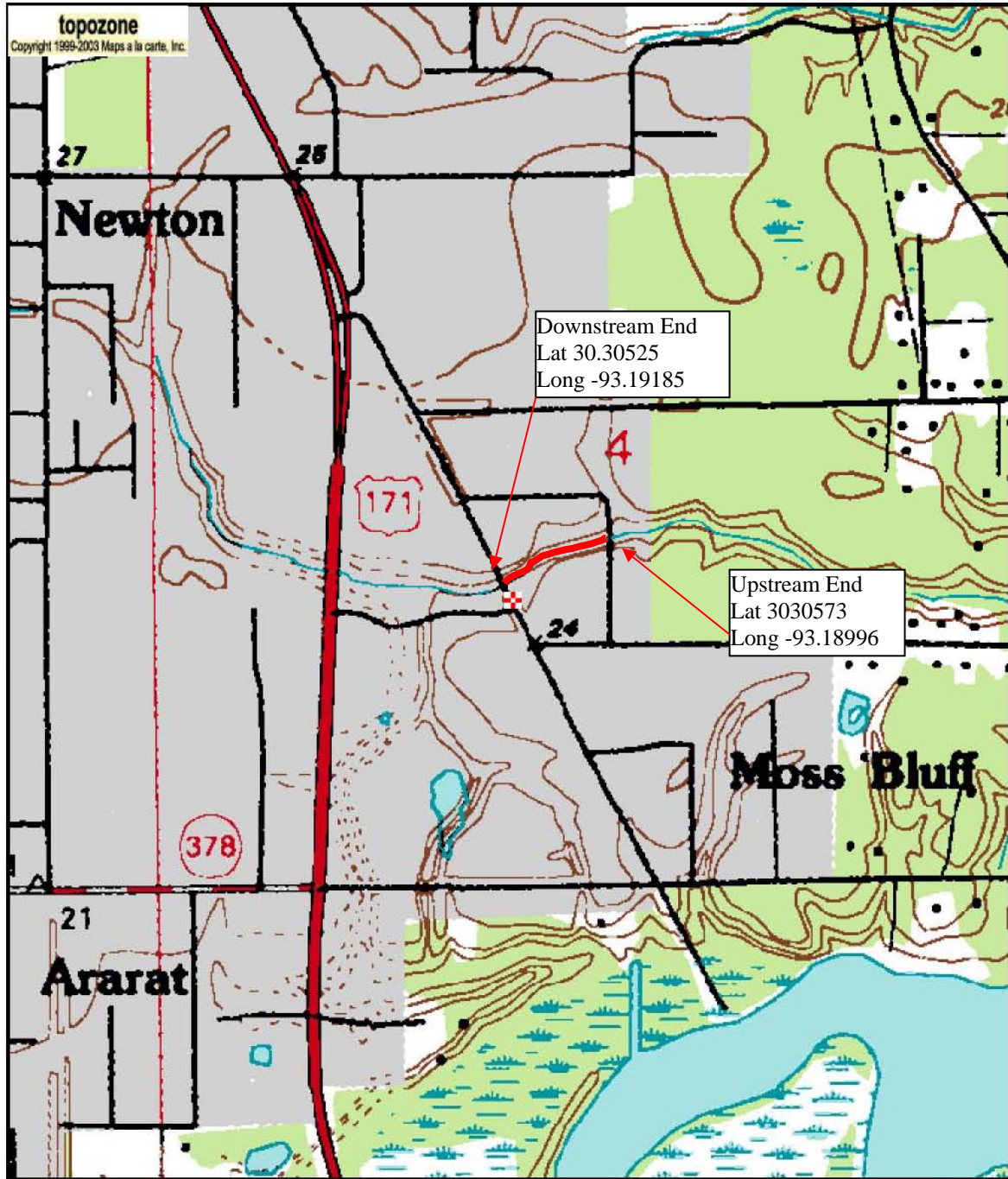
SITE MAP
DSR 019-05-079R
Lateral 5 – Old Hwy 171 to Basswood
Calcasieu Parish



TOPO MAP
DSR 019-05-079R
Lateral 5 – Old Hwy 171 to Basswood
Calcasieu Parish

TopoZone - The Web's Topographic Map

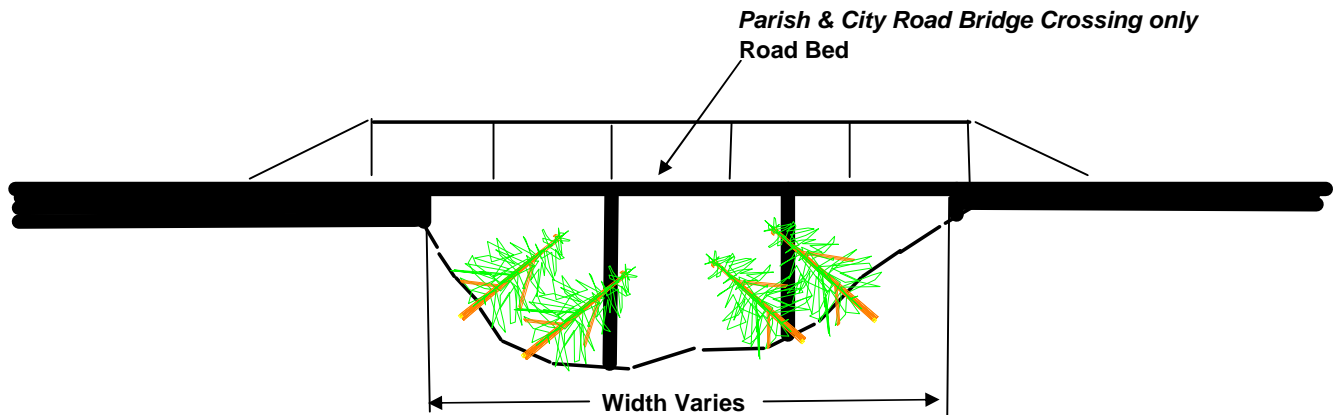
Page 1 of 1



0 0.1 0.2 0.3 0.4 0.5 km
0 0.09 0.18 0.27 0.36 0.45 mi
Map center is 30.3052°N, 93.1919°W (WGS84/NAD83)
Moss Bluff quadrangle
Projection is UTM Zone 15 NAD83 Datum

M
G
M=2.661
G=-0.097

Debris Removal



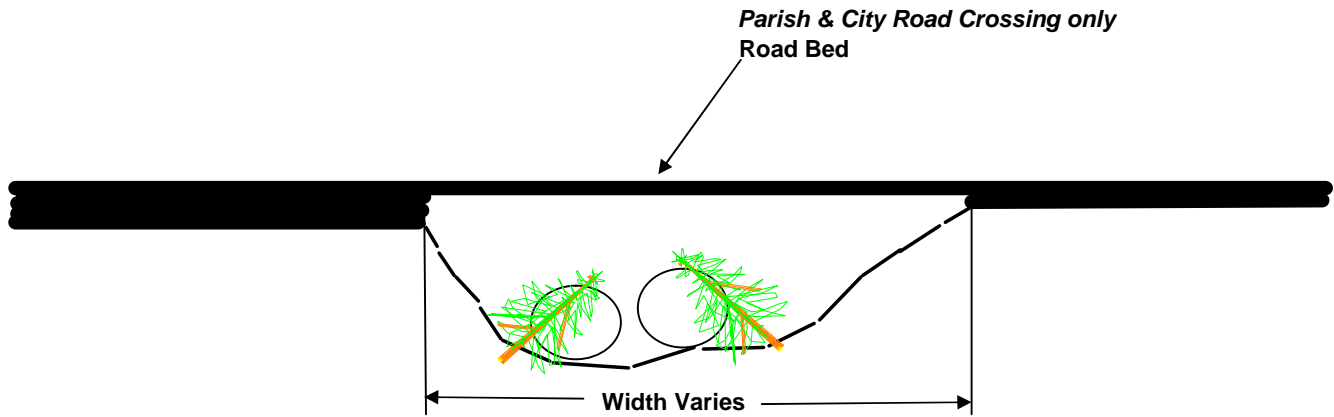
Note: Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge

Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Bridge Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal

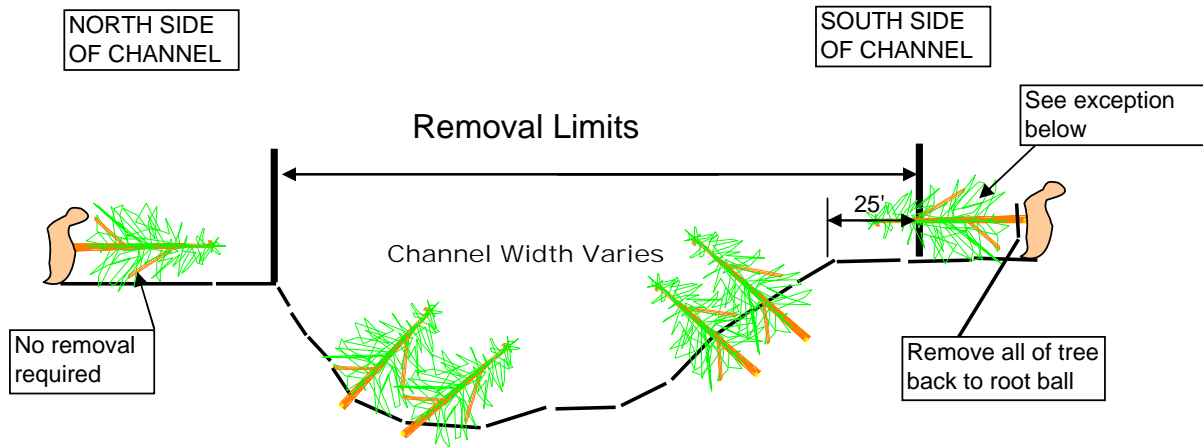


Note: Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts
Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Culvert type Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal



Typical Section Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note :** Access and work from south side only, except in locations where structures do not permit as concurred in by the COTR

Exception it may be possible that trees which were located outside of the the removal limits may have fallen into the removal limits, the entire tree will be removed back to the root ball even if only a portion of the tree is within the removal limits

Channel Obstruction Evaluation

SITE INFORMATION			
Parish: Calcasieu		Site: Lateral 5	
City: Moss Bluff			
Sponsor: GDD # 8, Ward # 1		Reach:	8+4 Box CV to L-5M
Date: 3/24/06			30 RCP BAS to L-5A
Evaluation Team: McDaniel, Adams, & Garner			

PHOTO NUMBERS AND BRIEF DESCRIPTION		WAYPOINTS	
Photo #	Description	(CIRCLE location and record in Decimal Degrees)	
78	toward L-5A	Start Work (D/S end)	30.30524760, -93.19185119
115	8+4 Box Culvert	Midstream	
113	West of L-5M	End Work (U/S end)	30.30588512, -93.18939186

NEARBY AND UPSTREAM STRUCTURES			
(Fill in Numbers, Values, and Size)			
CHURCHES		SCHOOLS	
No. of Churches		No. of Schools	
HOMESITES		PUBLIC FACILITIES	
No. of Homesites		No. of Public Facilities	
BUSINESSES		BUSINESSES	
Average Value of Homes (X \$1,000)		No. of Businesses	
		Size of Businesses	S M L

STREAM CROSSINGS		
(CIRCLE type and write material, size and length)		
TYPE	MATERIAL	NUMBER, SIZE, & LENGTH
Bridge		
Culverts	Reinforced Concrete	1, 36 Inch Dia RCP, 30 ft under Basswood Road
Other or None		

UTILITIES			
(CHECK the location of the utilities in the area and CIRCLE stream orientation)			
X	Overhead (Power, Cable, etc.)	U/S	D/S
X	Buried (Gas, Sewer, water, etc.)	U/S	D/S
	Elevated Cross channel (Water, Gas, etc.)	U/S	D/S

Remarks: Buried fiber optic cable on west end of site.

CHANNEL CHARACTERISTICS			FLOW	
(CHECK appropriate box for slope and fill in dimensions information)				
SLOPES		DIMENSIONS		Is Water Flowing?
	1.5 : 1 or steeper	Top Width (ft.)	30	YES NO
X	1.5 : 1 through 3 : 1 Slope	Bottom Width (ft.)	3	Is debris accumulating? (i.e. Leaves, Trash)
	Flatter than 3 : 1	Depth (ft.)	5	YES NO

STATEMENT OF PROBLEM					
(CHECK the boxes as needed, and CIRCLE the size of debris that applies)					
DEBRIS	IN CHANNEL	ACROSS CHANNEL	SIZE OF DEBRIS		
Pine Trees	X	X			
Hardwoods	X	X			
Shrubs					
Other (explain)					
			BLOCKAGE		
			% of X-Section Obstructed:		
			Less than 25% 26%-50%		
			51%-75% 76%-100%		

WORK METHOD AND LOCATION	
(CHECK the box that best applies)	
X	Within Channel Floating Equipment (i.e. Barge or Marsh Buggy)
X	Within Channel Non - Floating Equipment (Excavator/Track-hoe, Spider, etc)
X	From Top Banks
ACCESS TO SITE	
(Explain access issues and possible difficulties)	
For 8+4 Box CV to L-5M, recommend for southside of L-5M and follow in channel to 8+4 Box CV, 30 RCP BAS to L-5A, recommend southside top of bank.	